editor, and a technique for testing whether or not this generated program accurately reproduces the original algorithm.

On the other hand, Japanese Laid Open Patent Application (JP-A-Heisei, 11-212452 corresponding to Japanese patent application No. Heisei 10-029132) (hereafter, referred to as a document 2) according to the prior application of this inventor proposes a encryption strength evaluation support system containing: a device for statistically determining a relative relation for each bit of an input/output data of an encryption program by using a large number of evaluation data (a clear-text, a key and the like); and a device for editing the relative relation for each determined bit into a table form or a graph form and outputting it, as an example of a conventional technique for supporting a strength evaluation of a developed encryption program. The content of a copending US patent application NO. 09/236640, now US. Pat. No. 6,504,929 B1, claiming a priority based on Japanese patent application No. Heisei 10-029132 corresponding to the document 2 is incorporated herein by reference.

The usage of the encryption diagram editor described in the document 1 enables the encryption algorithm to be effectively designed. Also, the usage of the encryption strength evaluation